

SEQUENCE LISTING

<110> Hsu, Daniel K.

<120> Galectin Expression is induced in
Cirrhotic Liver and Hepatocellular Carcinoma

<130> DANHSU.001C1

<150> 60/129,111

<151> 1999-04-13

<150> PCT/US00/08561

<151> 2000-03-29

<160> 47

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 50

<212> PRT

<213> chicken

<400> 1

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			20					25					30		
Pro	Ala	His	Asn	Pro	Gly	Ala	Pro	Pro	Pro	Gln	Gly	Trp	Asn	Arg	Pro
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Pro	Gly														
	50														

<210> 2

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<212> PRT

<213> chicken

<400> 2

Pro	Gly	Ala	Phe	Pro	Ala	Tyr	Pro	Gly	Tyr	Pro	Gly	Ala	Tyr	Pro	Gly
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Ala	Pro	Gly	Pro	Tyr	Pro	Gly	Ala	Pro	Gly	Pro	His	His	Gly	Pro	Pro
			20					25					30		
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Gly	Pro														
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<210> 3

<211> 27

<212> PRT
<213> nematode

<400> 3
Met Ser Ala Glu Glu Pro Lys Ser Tyr Pro Val Pro Tyr Arg Ser Val
1 5 10 15
Leu Gln Glu Lys Phe Glu Pro Gly Gln Thr Leu
20 25

<210> 4
<211> 17
<212> PRT
<213> eel

<400> 4
Ser Gly Gly Leu Gln Val Lys Asn Phe Asp Phe Thr Val Gly Lys Phe
1 5 10 15
Leu

<210> 5
<211> 43
<212> PRT
<213> chicken

<400> 5
Tyr Pro Gly Gly Pro Pro Gly Pro Tyr Pro Gly Gly Pro Thr Ala Pro
1 5 10 15
Tyr Ser Glu Ala Pro Ala Ala Pro Leu Lys Val Pro Tyr Asp Leu Pro
20 25 30
Leu Pro Ala Gly Leu Met Pro Arg Leu Leu Ile
35 40

<210> 6
<211> 33
<212> PRT
<213> rat

<400> 6
Met Ala Tyr Val Pro Ala Pro Gly Tyr Gln Pro Thr Tyr Asn Pro Thr
1 5 10 15
Leu Pro Tyr Lys Arg Pro Ile Pro Gly Gly Leu Ser Val Gly Met Ser
20 25 30
Ile

<210> 7
<211> 12
<212> PRT
<213> mouse

<400> 7
 Pro Ile Pro Gly Gly Leu Ser Val Gly Met Ser Val
 1 5 10

<210> 8
 <211> 18
 <212> PRT
 <213> human

<400> 8
 Met Ala Cys Gly Leu Val Ala Ser Asn Leu Asn Leu Lys Pro Gly Glu
 1 5 10 15
 Cys Leu

<210> 9
 <211> 33
 <212> PRT
 <213> human

<400> 9
 Met Ala Tyr Val Pro Ala Pro Gly Tyr Gln Pro Thr Tyr Asn Pro Thr
 1 5 10 15
 Leu Pro Tyr Tyr Gln Pro Ile Pro Gly Gly Leu Asn Val Gly Met Ser
 20 25 30
 Val

<210> 10
 <211> 42
 <212> PRT
 <213> nematode

<400> 10
 Ile Val Lys Gly Ser Thr Ile Asp Glu Ser Gln Arg Phe Thr Ile Asn
 1 5 10 15
 Leu His Ser Lys Thr Ala Asp Phe Ser Gly Asn Asp Val Pro Leu His
 20 25 30
 Val Ser Val Arg Phe Asp Glu Gly Lys Ile
 35 40

<210> 11
 <211> 41
 <212> PRT
 <213> eel

<400> 11
 Thr Val Gly Gly Phe Ile Asn Asn Ser Pro Gln Arg Phe Ser Val Asn
 1 5 10 15
 Val Gly Glu Ser Met Asn Ser Leu Ser Leu His Leu Asp His Arg Phe
 20 25 30

Asn Tyr Gly Ala Asp Gln Asn Thr Ile
 35 40

<210> 12
 <211> 39
 <212> PRT
 <213> chicken

<400> 12
 Thr Ile Thr Gly Thr Val Asn Ser Asn Pro Asn Arg Phe Ser Leu Asp
 1 5 10 15
 Phe Lys Arg Gly Gln Asp Ile Ala Phe His Phe Asn Pro Arg Phe Lys
 20 25 30
 Glu Asp His Lys Arg Val Ile
 35

<210> 13
 <211> 41
 <212> PRT
 <213> rat

<400> 13
 Tyr Ile Gln Gly Ile Ala Lys Asp Asn Met Arg Arg Phe His Val Asn
 1 5 10 15
 Phe Ala Val Gly Gln Asp Glu Gly Ala Asp Ile Ala Phe His Phe Asn
 20 25 30
 Pro Arg Phe Asp Gly Trp Asp Lys Val
 35 40

<210> 14
 <211> 41
 <212> PRT
 <213> mouse

<400> 14
 Tyr Ile Gln Gly Met Ala Lys Glu Asn Met Arg Arg Phe His Val Asn
 1 5 10 15
 Phe Ala Val Gly Gln Asp Asp Gly Ala Asp Val Ala Phe His Phe Asn
 20 25 30
 Pro Arg Phe Asp Gly Trp Asp Lys Val
 35 40

<210> 15
 <211> 41
 <212> PRT
 <213> human

<400> 15
 Arg Val Arg Gly Glu Val Ala Pro Asp Ala Lys Ser Phe Val Leu Asn
 1 5 10 15
 Leu Gly Lys Asp Ser Asn Asn Leu Cys Leu His Phe Asn Pro Arg Phe

20 25 30
 Asn Ala His Gly Asp Ala Asn Thr Ile
 35 40

<210> 16
 <211> 41
 <212> PRT
 <213> human

<400> 16
 Tyr Ile Gln Gly Val Ala Ser Glu His Met Lys Arg Phe Phe Val Asn
 1 5 10 15
 Phe Val Val Gly Gln Asp Pro Gly Ser Asp Val Ala Phe His Phe Asn
 20 25 30
 Pro Arg Phe Asp Gly Trp Asp Lys Val
 35 40

<210> 17
 <211> 44
 <212> PRT
 <213> nematode

<400> 17
 Val Leu Asn Ser Phe Ser Asn Gly Glu Trp Gly Lys Glu Glu Arg Lys
 1 5 10 15
 Ser Asn Pro Ile Lys Lys Gly Asp Ser Phe Asp Ile Arg Ile Arg Ala
 20 25 30
 His Asp Asp Arg Phe Gln Ile Ile Val Asp His Lys
 35 40

<210> 18
 <211> 48
 <212> PRT
 <213> eel

<400> 18
 Val Met Asn Ser Thr Leu Lys Gly Asp Asn Gly Trp Glu Thr Glu Gln
 1 5 10 15
 Arg Ser Thr Asn Phe Thr Leu Ser Ala Gly Gln Tyr Phe Glu Ile Thr
 20 25 30
 Leu Ser Tyr Asp Ile Asn Lys Phe Tyr Ile Asp Ile Leu Asp Gly Pro
 35 40 45

<210> 19
 <211> 46
 <212> PRT
 <213> chicken

<400> 19
 Val Cys Asn Ser Met Phe Gln Asn Asn Trp Gly Lys Glu Glu Arg Thr
 1 5 10 15

Ala Pro Arg Phe Pro Phe Glu Pro Gly Thr Pro Phe Lys Leu Gln Val
 20 25 30
 Leu Cys Glu Gly Asp His Phe Lys Val Ala Val Asn Asp Ala
 35 40 45

<210> 20
 <211> 45
 <212> PRT
 <213> rat

<400> 20
 Val Phe Asn Thr Met Gln Ser Gly Gln Trp Gly Lys Glu Glu Lys Lys
 1 5 10 15
 Lys Ser Met Pro Phe Gln Lys Gly His His Phe Glu Leu Val Phe Met
 20 25 30
 Val Met Ser Glu His Tyr Lys Val Val Val Asn Gly Thr
 35 40 45

<210> 21
 <211> 45
 <212> PRT
 <213> mouse

<400> 21
 Val Phe Lys Thr Met Gln Ser Gly Gln Trp Gly Lys Glu Glu Lys Lys
 1 5 10 15
 Lys Ser Met Pro Phe Gln Lys Gly Lys His Phe Glu Leu Val Phe Met
 20 25 30
 Val Met Pro Glu His Tyr Lys Val Val Val Asn Gly Asn
 35 40 45

<210> 22
 <211> 46
 <212> PRT
 <213> human

<400> 22
 Val Cys Asn Ser Lys Asp Gly Gly Ala Trp Gly Thr Glu Gln Arg Glu
 1 5 10 15
 Ala Val Phe Pro Phe Gln Pro Gly Ser Val Ala Glu Val Cys Ile Thr
 20 25 30
 Phe Asp Gln Ala Asn Leu Thr Val Lys Leu Pro Asp Gly Tyr
 35 40 45

<210> 23
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 <212> PRT
 <213> human

<400> 23
 Val Phe Asn Thr Leu Gln Gly Gly Lys Trp Gly Ser Glu Glu Arg Lys

1 5 10 15
 Arg Ser Met Pro Phe Lys Lys Gly Ala Ala Phe Glu Leu Val Phe Ile
 20 25 30
 Val Met Ala Glu His Tyr Lys Val Val Val Asn Gly Asn
 35 40 45

<210> 24
 <211> 34
 <212> PRT
 <213> nematode

<400> 24
 Glu Phe Lys Asp Tyr Glu His Arg Leu Pro Leu Ser Ser Ile Ser His
 1 5 10 15
 Leu Ser Ile Asp Gly Asp Leu Tyr Leu Asn His Val His Trp Gly Gly
 20 25 30
 Lys Tyr

<210> 25
 <211> 29
 <212> PRT
 <213> eel

<400> 25
 Asn Leu Glu Phe Pro Asn Arg Tyr Ser Lys Glu Phe Leu Pro Phe Leu
 1 5 10 15
 Ser Leu Ala Gly Asp Ala Arg Leu Thr Leu Val Lys Glu
 20 25

<210> 26
 <211> 34
 <212> PRT
 <213> chicken

<400> 26
 His Leu Leu Gln Phe Asn Phe Arg Glu Lys Lys Leu Asn Gly Ile Thr
 1 5 10 15
 Lys Leu Cys Ile Ala Gly Asp Ile Thr Leu Thr Ser Val Leu Thr Ser
 20 25 30
 Met Ile

<210> 27
 <211> 47
 <212> PRT
 <213> rat

<400> 27
 Pro Phe Tyr Glu Tyr Gly His Arg Leu Pro Leu Gln Met Val Thr His
 1 5 10 15

Leu Gln Val Asp Gly Asp Leu Glu Leu Gln Ser Ile Asn Phe Leu Gly
 20 25 30
 Gly Gln Pro Ala Ala Ser Gln Tyr Pro Gly Thr Met Thr Ile Pro
 35 40 45

<210> 28
 <211> 47
 <212> PRT
 <213> mouse

<400> 28
 Ser Phe Tyr Glu Tyr Gly His Arg Leu Pro Val Gln Met Val Thr His
 1 5 10 15
 Leu Gln Val Asp Gly Asp Leu Glu Leu Gln Ser Ile Asn Phe Leu Gly
 20 25 30
 Gly Gln Pro Ala Ala Ala Pro Tyr Ala Gly Ala Met Thr Ile Pro
 35 40 45

<210> 29
 <211> 30
 <212> PRT
 <213> human

<400> 29
 Glu Phe Lys Phe Pro Asn Arg Leu Asn Leu Glu Ala Ile Asn Tyr Met
 1 5 10 15
 Ala Ala Asp Gly Asp Phe Lys Ile Lys Cys Val Ala Phe Asp
 20 25 30

<210> 30
 <211> 45
 <212> PRT
 <213> human

<400> 30
 Pro Phe Tyr Glu Tyr Gly His Arg Leu Pro Leu Gln Met Val Thr His
 1 5 10 15
 Leu Gln Val Asp Gly Asp Leu Gln Leu Gln Ser Ile Asn Phe Ile Gly
 20 25 30
 Gly Gln Pro Leu Arg Pro Gln Gly Pro Pro Met Met Pro
 35 40 45

<210> 31
 <211> 23
 <212> PRT
 <213> nematode

<400> 31
 Tyr Pro Val Pro Tyr Glu Ser Gly Leu Ala Asn Gly Leu Pro Val Gly
 1 5 10 15
 Lys Ser Leu Leu Val Phe Gly

<210> 32
 <211> 47
 <212> PRT
 <213> rat

<400> 32
 Ala Tyr Pro Ser Ala Gly Tyr Asn Pro Gln Met Asn Ser Leu Pro Val
 1 5 10 15
 Met Ala Gly Pro Pro Ile Phe Asn Pro Pro Val Pro Tyr Val Gly Thr
 20 25 30
 Leu Gln Gly Gly Leu Thr Ala Arg Arg Thr Ile Ile Ile Lys Gly
 35 40 45

<210> 33
 <211> 50
 <212> PRT
 <213> mouse

<400> 33
 Ala Tyr Pro Ala Gly Ser Pro Gly Tyr Asn Pro Pro Gln Met Asn Thr
 1 5 10 15
 Leu Pro Val Met Thr Gly Pro Pro Val Phe Asn Pro Arg Val Pro Tyr
 20 25 30
 Val Gly Ala Leu Gln Gly Gly Leu Thr Leu Pro Arg Thr Ile Ile Ile
 35 40 45
 Lys Gly
 50

<210> 34
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 <212> PRT
 <213> human

<400> 34
 Pro Tyr Pro Gly Pro Gly His Cys His Gln Gln Leu Asn Ser Leu Pro
 1 5 10 15
 Thr Met Glu Gly Pro Pro Thr Phe Asn Pro Val Pro Tyr Phe Gly Arg
 20 25 30
 Leu Gln Gly Gly Leu Thr Ala Arg Arg Thr Ile Ile Ile Lys Gly
 35 40 45

<210> 35
 <211> 49
 <212> PRT
 <213> nematode

<400> 35
 Thr Val Glu Lys Lys Ala Lys Arg Phe His Val Asn Leu Leu Arg Lys
 1 5 10 15

Asn Gly Asp Ile Ser Phe His Phe Asn Pro Arg Phe Asp Glu Lys His
 20 25 30
 Val Ile Arg Asn Ser Leu Ala Ala Asn Glu Trp Gly Asn Glu Glu Arg
 35 40 45
 Glu

<210> 36
 <211> 49
 <212> PRT
 <213> rat

<400> 36
 Tyr Val Leu Pro Thr Ala Lys Asn Leu Ile Ile Asn Phe Lys Val Gly
 1 5 10 15
 Ser Thr Gly Asp Ile Ala Phe His Met Asn Pro Arg Ile Gly Asp Cys
 20 25 30
 Val Val Arg Asn Ser Tyr Met Asn Gly Ser Trp Gly Ser Glu Glu Arg
 35 40 45
 Lys

<210> 37
 <211> 49
 <212> PRT
 <213> mouse

<400> 37
 Tyr Val Leu Pro Thr Ala Arg Asn Phe Val Ile Asn Phe Lys Val Gly
 1 5 10 15
 Ser Ser Gly Asp Ile Ala Leu His Leu Asn Pro Arg Ile Gly Asp Ser
 20 25 30
 Val Val Arg Asn Ser Phe Met Asn Gly Ser Trp Gly Ala Glu Glu Arg
 35 40 45
 Lys

<210> 38
 <211> 49
 <212> PRT
 <213> human

<400> 38
 Tyr Val Pro Pro Thr Gly Lys Ser Phe Ala Ile Asn Phe Lys Val Gly
 1 5 10 15
 Ser Ser Gly Asp Ile Ala Leu His Ile Asn Pro His Gly Asn Gly Thr
 20 25 30
 Val Val Arg Asn Ser Leu Leu Asn Gly Ser Trp Gly Ser Glu Glu Lys
 35 40 45
 Lys

<210> 39
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 <212> PRT
 <213> nematode

<400> 39
 Ile Pro Tyr Asn Pro Phe Gly Ala Gly Gln Phe Phe Asp Leu Ser Ile
 1 5 10 15
 Arg Cys Gly Thr Asp Arg Phe Lys Val Phe Ala Asn Gly Gln His Leu
 20 25 30
 Phe Asp Phe Ser His Arg Phe Gln Ala Phe Gln Arg Val Asp Met Leu
 35 40 45

<210> 40
 <211> 48
 <212> PRT
 <213> rat

<400> 40
 Val Ala Tyr Asn Pro Phe Gly Pro Gly Gln Phe Phe Asp Leu Ser Ile
 1 5 10 15
 Arg Cys Gly Met Asp Arg Phe Lys Val Phe Ala Asn Gly Gln His Leu
 20 25 30
 Phe Asp Phe Ser His Arg Phe Gln Ala Phe Gln Met Val Asp Thr Leu
 35 40 45

<210> 41
 <211> 48
 <212> PRT
 <213> mouse

<400> 41
 Thr Thr His Asn Pro Phe Gly Pro Gly Gln Phe Phe Asp Leu Ser Ile
 1 5 10 15
 Arg Cys Gly Leu Asp Arg Phe Lys Val Tyr Ala Asn Gly Gln His Leu
 20 25 30
 Phe Asp Phe Ala His Pro Ser Arg Ala Phe Gln Arg Val Asp Thr Leu
 35 40 45

<210> 42
 <211> 48
 <212> PRT
 <213> human

<400> 42
 Thr Thr His Asn Pro Phe Gly Pro Gly Gln Phe Phe Asp Leu Ser Ile
 1 5 10 15
 Arg Cys Gly Leu Asp Arg Phe Lys Val Tyr Ala Asn Gly Gln His Leu
 20 25 30
 Phe Asp Phe Ala His Pro Ser Arg Ala Phe Gln Arg Val Asp Thr Leu
 35 40 45

<210> 43
 <211> 14
 <212> PRT
 <213> nematode

<400> 43
 Gln Ile Ser Gly Asp Ile Glu Leu Ser Gly Ile Gln Ile Gln
 1 5 10

<210> 44
 <211> 13
 <212> PRT
 <213> rat

<400> 44
 Glu Ile Lys Gly Asp Ile Thr Leu Ser Tyr Val Gln Ile
 1 5 10

<210> 45
 <211> 8
 <212> PRT
 <213> mouse

<400> 45
 Glu Ile Asn Gly Asp Ile Thr Leu
 1 5

<210> 46
 <211> 13
 <212> PRT
 <213> human

<400> 46
 Glu Ile Gln Gly Asp Val Thr Leu Ser Tyr Val Gln Ile
 1 5 10

<210> 47
 <211> 914
 <212> PRT
 <213> human

<400> 47
 Cys Cys Ala Gly Cys Cys Ala Ala Cys Gly Ala Gly Cys Gly Gly Ala
 1 5 10 15
 Ala Ala Ala Thr Gly Gly Cys Ala Gly Ala Cys Ala Ala Thr Thr Thr
 20 25 30
 Thr Thr Cys Gly Cys Thr Cys Cys Ala Thr Gly Ala Thr Gly Cys Gly
 35 40 45
 Thr Thr Ala Thr Cys Thr Gly Gly Gly Thr Cys Thr Gly Gly Ala Ala

50	55	60
Ala Cys Cys Cys Ala	Ala Ala Cys Cys Cys	Thr Cys Ala Ala Gly Gly
65	70	75
Ala Thr Gly Gly Cys	Cys Thr Gly Gly Cys	Gly Cys Ala Thr Gly Gly
85	90	95
Gly Gly Gly Ala Ala	Cys Cys Ala Gly Cys	Cys Thr Gly Cys Thr Gly
100	105	110
Gly Gly Gly Cys Ala	Gly Gly Gly Gly Gly	Cys Thr Ala Cys Cys Cys
115	120	125
Ala Gly Gly Gly Gly	Cys Thr Thr Cys Cys	Thr Ala Thr Cys Cys Thr
130	135	140
Gly Gly Gly Gly Cys	Cys Thr Ala Cys Cys	Cys Cys Gly Gly Gly Cys
145	150	155
Ala Gly Gly Cys Ala	Cys Cys Cys Cys Cys	Ala Gly Gly Gly Gly Cys
165	170	175
Thr Thr Ala Thr Cys	Cys Thr Gly Gly Ala	Cys Ala Gly Gly Cys Ala
180	185	190
Cys Cys Thr Cys Cys	Ala Gly Gly Cys Gly	Cys Cys Thr Ala Cys Cys
195	200	205
Ala Thr Gly Gly Ala	Gly Cys Ala Cys Cys	Thr Gly Gly Ala Gly Cys
210	215	220
Thr Thr Ala Thr Cys	Cys Cys Gly Gly Ala	Gly Cys Ala Cys Cys Thr
225	230	235
Gly Cys Ala Cys Cys	Thr Gly Gly Ala Gly	Thr Cys Thr Ala Cys Cys
245	250	255
Cys Ala Gly Gly Gly	Cys Cys Ala Cys Cys	Cys Ala Gly Cys Gly Gly
260	265	270
Cys Cys Cys Thr Gly	Gly Gly Gly Gly Cys	Cys Cys Thr Ala Cys Cys
275	280	285
Thr Cys Thr Thr Cys	Thr Gly Gly Ala Cys	Ala Gly Cys Cys Ala Ala
290	295	300
Gly Thr Gly Cys Cys	Cys Cys Cys Gly Gly	Ala Gly Cys Cys Thr Ala
305	310	315
Cys Cys Cys Thr Gly	Cys Cys Ala Cys Thr	Gly Gly Cys Cys Cys Cys
325	330	335
Thr Ala Thr Gly Gly	Cys Gly Cys Cys Cys	Cys Thr Gly Cys Thr Gly
340	345	350
Gly Gly Cys Cys Ala	Cys Thr Gly Ala Thr	Thr Thr Gly Thr Gly Cys
355	360	365
Thr Thr Ala Thr Ala	Ala Cys Cys Thr Gly	Cys Cys Thr Thr Thr Gly
370	375	380
Cys Cys Thr Gly Gly	Gly Gly Gly Ala Gly	Thr Gly Gly Thr Gly Cys
385	390	395
Cys Thr Cys Gly Cys	Ala Thr Gly Cys Thr	Gly Ala Thr Ala Ala Cys
405	410	415
Ala Ala Thr Thr Cys	Thr Gly Gly Gly Cys	Ala Cys Gly Gly Thr Gly
420	425	430
Ala Ala Gly Cys Cys	Cys Ala Ala Thr Gly	Cys Ala Ala Ala Cys Ala
435	440	445
Gly Ala Ala Thr Thr	Gly Cys Thr Thr Thr	Ala Gly Ala Thr Thr Thr
450	455	460
Cys Cys Ala Ala Ala	Gly Ala Gly Gly Gly	Ala Ala Thr Gly Ala Thr
465	470	475
Gly Thr Thr Gly Cys	Cys Thr Thr Cys Cys	Ala Cys Thr Thr Thr Ala
485	490	495

Ala Cys Cys Cys Ala Cys Gly Cys Thr Thr Cys Ala Ala Thr Gly Ala
 500 505 510
 Gly Ala Ala Cys Ala Ala Cys Ala Gly Gly Ala Gly Ala Gly Thr Cys
 515 520 525
 Ala Thr Thr Gly Thr Thr Thr Gly Cys Ala Ala Thr Ala Cys Ala Ala
 530 535 540
 Ala Gly Cys Thr Gly Gly Ala Thr Ala Ala Thr Ala Ala Cys Thr Gly
 545 550 555 560
 Gly Gly Gly Ala Ala Gly Gly Gly Ala Ala Gly Ala Ala Ala Gly Ala
 565 570 575
 Cys Ala Gly Thr Cys Gly Gly Thr Thr Thr Thr Cys Cys Cys Ala Thr
 580 585 590
 Thr Thr Gly Ala Ala Ala Gly Thr Gly Gly Gly Ala Ala Ala Cys Cys
 595 600 605
 Ala Thr Thr Cys Ala Ala Ala Ala Thr Ala Cys Ala Ala Gly Thr Ala
 610 615 620
 Cys Thr Gly Gly Thr Thr Gly Ala Ala Cys Cys Thr Gly Ala Cys Cys
 625 630 635 640
 Ala Cys Thr Thr Cys Ala Ala Gly Gly Thr Thr Gly Cys Ala Gly Thr
 645 650 655
 Gly Ala Ala Thr Gly Ala Thr Gly Cys Thr Cys Ala Cys Thr Thr Gly
 660 665 670
 Thr Thr Gly Cys Ala Gly Thr Ala Cys Ala Ala Thr Cys Ala Thr Cys
 675 680 685
 Gly Gly Gly Thr Thr Ala Ala Ala Ala Ala Cys Thr Cys Ala Ala
 690 695 700
 Thr Gly Ala Ala Ala Thr Cys Ala Gly Cys Ala Ala Ala Cys Thr Gly
 705 710 715 720
 Gly Gly Ala Ala Thr Thr Thr Cys Thr Gly Gly Thr Gly Ala Cys Ala
 725 730 735
 Thr Ala Gly Ala Cys Cys Thr Cys Ala Cys Cys Ala Gly Thr Gly Cys
 740 745 750
 Thr Thr Cys Ala Thr Ala Thr Ala Cys Cys Ala Thr Gly Ala Thr Ala
 755 760 765
 Thr Ala Ala Thr Cys Thr Gly Ala Ala Ala Gly Gly Gly Gly Cys Ala
 770 775 780
 Gly Ala Thr Thr Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
 785 790 795 800
 Ala Ala Ala Gly Ala Ala Thr Cys Thr Ala Ala Ala Cys Cys Thr Thr
 805 810 815
 Ala Cys Ala Thr Gly Thr Gly Thr Ala Ala Ala Gly Gly Thr Thr Thr
 820 825 830
 Cys Ala Thr Gly Thr Thr Cys Ala Cys Thr Gly Thr Gly Ala Gly Thr
 835 840 845
 Gly Ala Ala Ala Ala Thr Thr Thr Thr Thr Ala Cys Ala Thr Thr Cys
 850 855 860
 Ala Thr Cys Ala Ala Thr Ala Thr Cys Cys Cys Thr Cys Thr Thr Gly
 865 870 875 880
 Thr Ala Ala Gly Thr Cys Ala Thr Cys Thr Ala Cys Thr Thr Ala Ala
 885 890 895
 Thr Ala Ala Ala Thr Ala Thr Thr Ala Cys Ala Gly Thr Gly Ala Ala
 900 905 910
 Ala Gly